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FEE TRANSMITTAL

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CENT Complete if Known Application Number March 21, 2001 Filing Date for FY 2003 Steven M. Ruben First Named Inventor Patent fees are subject to annual revision. **Examiner Name** J. Martinell Applicant claims small entity status. See 37 CFR 1.27 1631 Group Art Unit TOTAL AMOUNT OF PAYMENT PZ023P1C1 558.00 Attorney Docket No. METHOD OF PAYMENT (check all that apply) FEE CALCULATION (continued) Money Order Check None 3. ADDITIONAL FEES Deposit Account Х Large Entity **Small Entity** Deposit Account 08-3425 Fee Fee Fee Fee Fee Description Code (\$) Code **Fee Paid** (\$) Number Deposit 1051 130 2051 65 Surcharge - late filing fee or oath Human Genome Sciences, Inc. Name Surcharge - late provisional filing fee or cover 1052 50 2052 25 The Commissioner is hereby authorized to: (check all that apply) X Charge fee(s) indicated below X Credit any overpayments 1053 130 1053 130 Non-English specification Charge any additional fee(s) during the pendency of this x 1812 2.520 1812 2,520 For filing a request for ex parte reexamination Requesting publication of SIR prior to 1804 9201 1804 920* Charge fee(s) indicated below, except for the filing fee Examiner action Requesting publication of SIR after to the above-identified deposit account 1805 1,840 1805 1.8401 **FEE CALCULATION** 1251 110 2251 Extension for reply within first month 1. BASIC FILING FEE 1252 410 2252 Extension for reply within second month 205 Small Entity Large Entity 1253 930 2253 Extension for reply within third month Fee Fee 1254 2254 725 Fee Description 1.450 Extension for reply within fourth month Code (\$) Code (\$) Fee Paid 1001 750 2001 375 Utility filing fee 1255 1,970 2255 985 Extension for reply within fifth month 1002 330 2002 165 Design filing fee 1401 320 2401 160 Notice of Appeal 1003 520 2003 260 Plant filing fee 1402 320 2402 160 Filing a brief in support of an appeal 1004 750 2004 375 Reissue filing fee 1403 280 2403 Request for oral hearing 1005 160 2005 80 Provisional filing fee 1451 1,510 1451 Petition to institute a public use proceeding 1452 110 2452 55 Petition to revive - unavoidable SUBTOTAL (1) 0.00 Petition to revive - unintentional 1453 1,300 2453 650 1,300 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE 1501 2501 650 Utility issue fee (or reissue) Extra Fee from 1502 470 2502 235 Design issue fee Fee Paid Claims below Total Claims 41 -24** = 17 18.00 306.00 1503 630 2503 315 Plant issue fee Independent 1460 130 1460 Petitions to the Commissioner 3 84.00 252.00 130 Claims 50 Processing fee under 37 CFR 1.17(a) Multiple Dependent 1807 1807 50 1806 180 1806 180 Submission of Information Disclosure Stmt Large Entity Small Entity Recording each patent assignment per Fee Description 8021 40 8021 40 (\$) (\$) Code Code property (times number of properties) 1202 18 2202 9 Claims in excess of 20 Filing a submission after final rejection 1809 750 2809 375 (37 ČFR 1.129(a)) 1201 84 2201 42 Independent claims in excess of 3 For each additional invention to be 750 2810 1810 375 2203 Multiple dependent claim, if not paid 1203 280 140 examined (37CFR 1.129(b)) 1204 84 2204 Reissue independent claims 1801 750 2801 Request for Continued Examination (RCE) 375 over original patent Request for expedited examination 1802 900 1802 1205 2205 Reissue claims in excess of 20 18 of a design application and over original patent Other fee (specify) SUBTOTAL (2) (\$) 558.00 *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00 **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Complete (if applicable) Registration No Name (Print/Type) Janet M. Martineau 46,903 Telephone (301) 315-2723 (Attorney/Agent) Sianature Date April 24, 2003